

Margherita Ruoppolo

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,220
citations

172457

29
h-index

233421

45
g-index

64
all docs

64
docs citations

64
times ranked

3085
citing authors

#	ARTICLE	IF	CITATIONS
1	Deregulation of microtubule organization and RNA metabolism in <i>Arx</i> models for lissencephaly and developmental epileptic encephalopathy. <i>Human Molecular Genetics</i> , 2022, 31, 1884-1908.	2.9	6
2	Proteome data of neuroblastoma cells overexpressing Neuroglobin. <i>Data in Brief</i> , 2022, 41, 107843.	1.0	8
3	Targeted metabolomics. , 2022, , 219-236.		4
4	COVIDomics: The Proteomic and Metabolomic Signatures of COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2414.	4.1	49
5	Challenges in Metabolomics-Based Tests, Biomarkers Revealed by Metabolomic Analysis, and the Promise of the Application of Metabolomics in Precision Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5213.	4.1	30
6	Sex differences in the human metabolome. <i>Biology of Sex Differences</i> , 2022, 13, .	4.1	38
7	Editorial for Special Issue: Neuroglobin from Brain Protection to Cancer Progression. <i>Cells</i> , 2022, 11, 2181.	4.1	0
8	Galactosemia: Biochemistry, Molecular Genetics, Newborn Screening, and Treatment. <i>Biomolecules</i> , 2022, 12, 968.	4.0	15
9	Dysregulation of lipid metabolism and pathological inflammation in patients with COVID-19. <i>Scientific Reports</i> , 2021, 11, 2941.	3.3	102
10	Sex Affects Human Premature Neonates' Blood Metabolome According to Gestational Age, Parenteral Nutrition, and Caffeine Treatment. <i>Metabolites</i> , 2021, 11, 158.	2.9	17
11	Proteomic and Bioinformatic Investigation of Altered Pathways in Neuroglobin-Deficient Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 2397.	3.8	18
12	The first knock-in rat model for glutaric aciduria type I allows further insights into pathophysiology in brain and periphery. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 157-181.	1.1	22
13	The Serum Metabolome of Moderate and Severe COVID-19 Patients Reflects Possible Liver Alterations Involving Carbon and Nitrogen Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9548.	4.1	56
14	A knock-in rat model unravels acute and chronic renal toxicity in glutaric aciduria type I. <i>Molecular Genetics and Metabolism</i> , 2021, 134, 287-300.	1.1	17
15	Beneficial Effects of Slow-Release Large Neutral Amino Acids after a Phenylalanine Oral Load in Patients with Phenylketonuria. <i>Nutrients</i> , 2021, 13, 4012.	4.1	2
16	Overexpression of Neuroglobin Promotes Energy Metabolism and Autophagy Induction in Human Neuroblastoma SH-SY5Y Cells. <i>Cells</i> , 2021, 10, 3394.	4.1	14
17	Proteomics and metabolomics studies exploring the pathophysiology of renal dysfunction in autosomal dominant polycystic kidney disease and other ciliopathies. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 1853-1861.	0.7	16
18	Proteomics Reveals that Methylmalonyl-CoA Mutase Modulates Cell Architecture and Increases Susceptibility to Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4998.	4.1	36

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19	<sc>ZSCAN</sc> 4 ⁺ mouse embryonic stem cells have an oxidative and flexible metabolic profile. EMBO Reports, 2020, 21, e48942.	4.5	5
20	Dataset of a comparative proteomics experiment in a methylmalonyl-CoA mutase knockout HEK 293 cell model. Data in Brief, 2020, 33, 106453.	1.0	18
21	Targeted Metabolomic Analysis of a Mucopolysaccharidosis IIIB Mouse Model Reveals an Imbalance of Branched-Chain Amino Acid and Fatty Acid Metabolism. International Journal of Molecular Sciences, 2020, 21, 4211.	4.1	32
22	Influence of Sex on Urinary Organic Acids: A Cross-Sectional Study in Children. International Journal of Molecular Sciences, 2020, 21, 582.	4.1	33
23	Exercise with food withdrawal at thermoneutrality impacts fuel use, the microbiome, AMPK phosphorylation, muscle fibers, and thyroid hormone levels in rats. Physiological Reports, 2020, 8, e14354.	1.7	15
24	Proteomic Analysis of Mucopolysaccharidosis IIIB Mouse Brain. Biomolecules, 2020, 10, 355.	4.0	30
25	Hypermethioninemia in Campania: Results from 10 years of newborn screening. Molecular Genetics and Metabolism Reports, 2019, 21, 100520.	1.1	2
26	The saturation degree of fatty acids and their derived acylcarnitines determines the direct effect of metabolically active thyroid hormones on insulin sensitivity in skeletal muscle cells. FASEB Journal, 2019, 33, 1811-1823.	0.5	18
27	Insulin resistance in glycogen storage disease type Ia: linking carbohydrates and mitochondria? Journal of Inherited Metabolic Disease, 2018, 41, 985-995.	3.6	24
28	Urine Proteomics Revealed a Significant Correlation Between Urine-Fibronectin Abundance and Estimated-GFR Decline in Patients with Bardet-Biedl Syndrome. Kidney and Blood Pressure Research, 2018, 43, 389-405.	2.0	28
29	Targeted metabolomic profiling in rat tissues reveals sex differences. Scientific Reports, 2018, 8, 4663.	3.3	40
30	Label-Free Quantitative Proteomics in a Methylmalonyl-CoA Mutase-Silenced Neuroblastoma Cell Line. International Journal of Molecular Sciences, 2018, 19, 3580.	4.1	32
31	Biochemical and molecular characterization of 3-Methylcrotonylglycinuria in an Italian asymptomatic girl. Genetics and Molecular Biology, 2018, 41, 379-385.	1.3	8
32	Human Serum Albumin Is an Essential Component of the Host Defense Mechanism Against Clostridium difficile Intoxication. Journal of Infectious Diseases, 2018, 218, 1424-1435.	4.0	45
33	Unravelling pathways downstream Sox6 induction in K562 erythroid cells by proteomic analysis. Scientific Reports, 2017, 7, 14088.	3.3	6
34	Protein-protein interaction networks as a new perspective to evaluate distinct functional roles of voltage-dependent anion channel isoforms. Molecular BioSystems, 2017, 13, 2466-2476.	2.9	50
35	Integration of Proteomics and Metabolomics in Exploring Genetic and Rare Metabolic Diseases. Kidney Diseases (Basel, Switzerland), 2017, 3, 66-77.	2.5	26
36	Classical organic acidurias: diagnosis and pathogenesis. Clinical and Experimental Medicine, 2017, 17, 305-323.	3.6	69

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37	Mass Spectrometry-Based Metabolomic and Proteomic Strategies in Organic Acidemias. <i>BioMed Research International</i> , 2016, 2016, 1-13.	1.9	32
38	The proteome of methylmalonic acidemia (MMA): the elucidation of altered pathways in patient livers. <i>Molecular BioSystems</i> , 2016, 12, 566-574.	2.9	30
39	Targeted metabolomics in the expanded newborn screening for inborn errors of metabolism. <i>Molecular BioSystems</i> , 2015, 11, 1525-1535.	2.9	73
40	The proteome of cblC defect: in vivo elucidation of altered cellular pathways in humans. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 969-979.	3.6	34
41	Female and male human babies have distinct blood metabolomic patterns. <i>Molecular BioSystems</i> , 2015, 11, 2483-2492.	2.9	40
42	Long-term follow-up of patients with phenylketonuria treated with tetrahydrobiopterin: a seven years experience. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 14.	2.7	29
43	Maternal vitamin B12 deficiency detected in expanded newborn screening. <i>Clinical Biochemistry</i> , 2014, 47, 312-317.	1.9	53
44	Analysis of the interactome of ribosomal protein S19 mutants. <i>Proteomics</i> , 2014, 14, 2286-2296.	2.2	16
45	Serum metabolomic profiles suggest influence of sex and oral contraceptive use. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 614-24.	0.0	33
46	Quantification of Imatinib Plasma Levels in Patients with Chronic Myeloid Leukemia: Comparison Between HPLC-UV and LC-MS/MS. <i>International Journal of Peptide Research and Therapeutics</i> , 2013, 19, 109-116.	1.9	5
47	Optimization of an HPLC method for phenylalanine and tyrosine quantization in dried blood spot. <i>Clinical Biochemistry</i> , 2013, 46, 1892-1895.	1.9	18
48	Differential proteomic analysis in human cells subjected to ribosomal stress. <i>Proteomics</i> , 2013, 13, 1220-1227.	2.2	20
49	Enhanced interpretation of newborn screening results without analyte cutoff values. <i>Genetics in Medicine</i> , 2012, 14, 648-655.	2.4	117
50	Protein cross-talk in CD133+ colon cancer cells indicates activation of the Wnt pathway and upregulation of p20 that is potentially involved in tumorigenicity. <i>Proteomics</i> , 2012, 12, 2045-2059.	2.2	52
51	Clinical validation of cutoff target ranges in newborn screening of metabolic disorders by tandem mass spectrometry: A worldwide collaborative project. <i>Genetics in Medicine</i> , 2011, 13, 230-254.	2.4	308
52	Gaining insights into the Bcr-Abl activity-independent mechanisms of resistance to imatinib mesylate in KCL22 cells: A comparative proteomic approach. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1974-1987.	2.3	15
53	The first case of mitochondrial acetoacetyl-CoA thiolase deficiency identified by expanded newborn metabolic screening in Italy: the importance of an integrated diagnostic approach. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 91-94.	3.6	30
54	Transcription Factor TBX1 Overexpression Induces Downregulation of Proteins Involved in Retinoic Acid Metabolism: A Comparative Proteomic Analysis. <i>Journal of Proteome Research</i> , 2009, 8, 1515-1526.	3.7	25

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55	Citrulline Blood Levels as Indicators of Residual Intestinal Absorption in Patients with Short Bowel Syndrome. <i>Annals of Nutrition and Metabolism</i> , 2008, 53, 137-142.	1.9	25
56	Analysis of the Ribosomal Protein S19 Interactome. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 382-393.	3.8	49
57	Identification and Characterization of Structural Domains of Human ERp57. <i>Journal of Biological Chemistry</i> , 2004, 279, 13607-13615.	3.4	47
58	Proteomics Identification of Acyl-acceptor and Acyl-donor Substrates for Transglutaminase in a Human Intestinal Epithelial Cell Line. <i>Journal of Biological Chemistry</i> , 2003, 278, 31766-31773.	3.4	62
59	Folding and Oxidation of the Antibody Domain CH3. <i>Journal of Molecular Biology</i> , 2002, 319, 1267-1277.	4.2	53
60	Pro-sequence assisted folding and disulfide bond formation of human nerve growth factor. Dedicated to Rita Levi-Montalcini. Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 305, 523-533.	4.2	90
61	Characterization of low-molecular-mass trypsin isoinhibitors from oil-rape (<i>Brassica napus</i> var.) Tj ETQq1 1 0.784314 rgBT / Overlock 10 0,25 31	0.25	31